

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
28 July 2005 (28.07.2005)

PCT

(10) International Publication Number
WO 2005/067380 A2

(51) International Patent Classification: **Not classified**

(21) International Application Number:
PCT/IL2005/000039

(22) International Filing Date: 12 January 2005 (12.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/536,851 14 January 2004 (14.01.2004) US
60/536,811 14 January 2004 (14.01.2004) US
60/536,853 14 January 2004 (14.01.2004) US
60/536,852 14 January 2004 (14.01.2004) US

(71) Applicant (for all designated States except US): A.Y.
LABORATORIES LTD. [IL/IL]; P.O. Box 20686, 61206
Tel Aviv (IL).

(72) Inventor; and

(75) Inventor/Applicant (for US only): BARAK, Ayala
[IL/IL]; 11 Be'eri Street, 64682 Tel Aviv (IL).

(74) Agents: SANFORD T. COLB & CO. et al.; P.O. Box
2273, 76122 Rehovot (IL).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

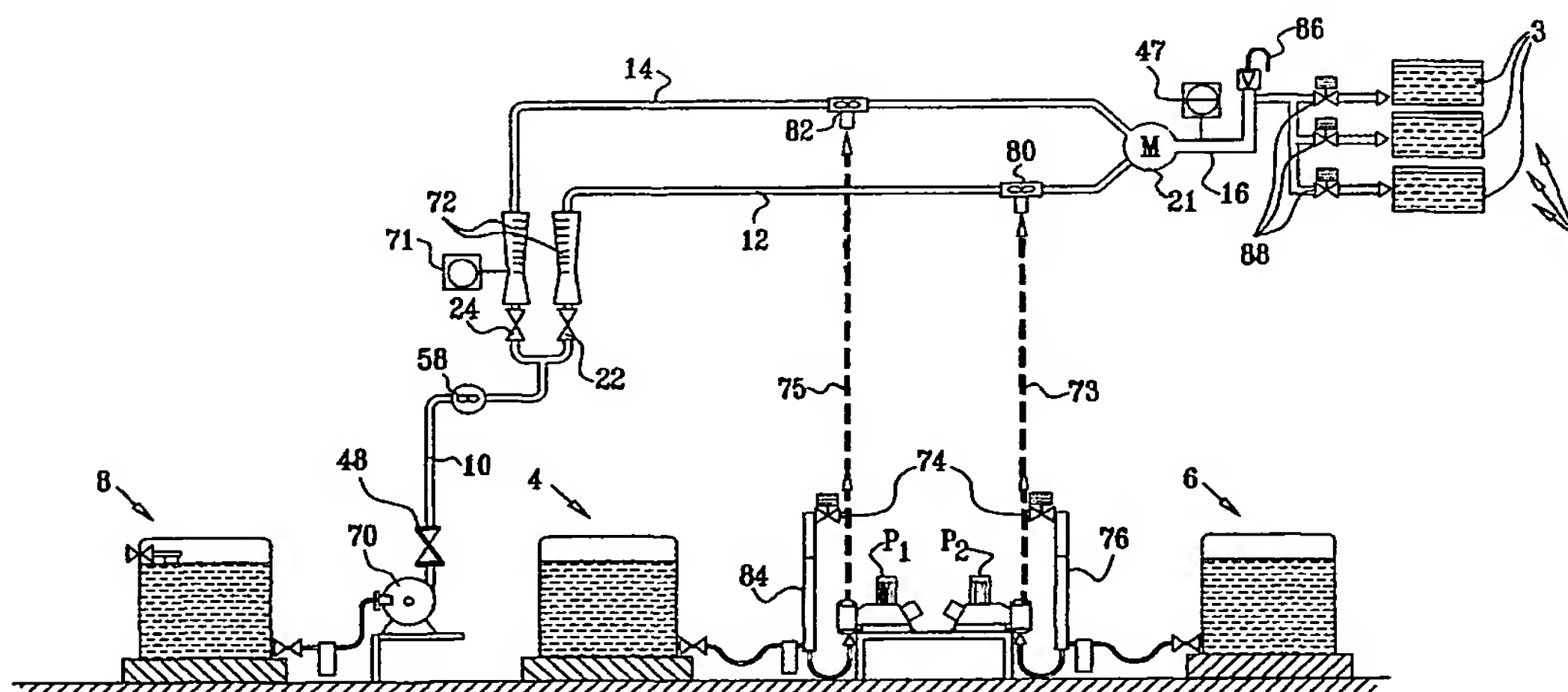
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: BIOCIDES AND APPARATUS



(57) Abstract: There are provided methods for controlling microbial or biofilm growth, comprising mixing a hypochlorite oxidant and at least one nitrogen-containing compound or salt thereof selected from a particular group of nitrogen-containing compounds and salts to form a biocide, and applying the biocide. Apparatus for practicing the methods are also provided.

WO 2005/067380 A2